

PG4:18

Purchasing guidelines for: EN 74-1 Couplers




INTRODUCTION

The purpose of this guidance note is to detail best purchasing practice for EN74-1: 2005 scaffold couplers. If the couplers are sourced from an NASC compliant company, as demonstrated by the NASC CoP assessment report, then no further action is required, other than a visual inspection of your supplier's certificate of product compliance with the NASC CoP product audit (a list of suppliers and products may be found on the NASC website). If the couplers are not sourced from an NASC compliant company, then the guidelines below should be followed.

TEST DATA


Test data is the criteria to which the product is independently tested as seen on the test report example opposite, & should consist of:

- Annual testing should be on swivel couplers & right angle couplers for all suppliers/manufacturers, as follows:
- Slip force testing & failure forces [max. load] swivels & right angled couplers.
- Cruciform bending/stiffness test for right angle couplers only.
- Annual tests must be by a UKAS accredited facility or TUV/SGS.
- Full prototype testing to EN 74-1:2005 by a UKAS registered external body should be available upon request.



Xample Materials Testing
xxxxxxxxx
xxxxxxxxxxxxxxxxx
xxxxxxxxx
xxxxxxxxx
UNITED KINGDOM

P: +44 xxx xxxxxx
F: +44 xxx xxxxxx
info@xxxxxxxxxxxxx.com
www.xxxxxxxxxxxxx.com



PO Number:
Test Report No:

Customer
Xample Materials Testing were asked to perform the analysis reported below:

Material Information Test date:

Description of sample: EN74-1B DROP FORGED DOUBLE COUPLER
Material specification: EN74-1
Markings: EN74-1

Scaffolding Coupler Report

Tested in accordance with: See below

Slipping force Tested in accordance with Section 2.3.1 of BS EN 74-1:2005
Test No. H1234

	kN	Requirements	
		Min	Max
A1 Load at 2mm	xxxx	10	-
A1 Load at 1mm & A2 at 2mm	10	15	-

Test Status: **Pass**

Failure force Tested in accordance with Section 2.3.3 of BS EN 74-1:2005
Test No. H1235

	kN	Requirements	
		Min	Max
Failure Force	T0	20	-

Test Status: **Pass**

Cruciform Bending and stiffness on Steel Tube Tested in accordance with Section 7.4.5 of BS EN 74-1:2005
Test No. H1236

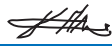
		kN/m/nd	Requirements	
			Min	Max
XXXXXXX	2.61	kN/m/nd	15	-
XXXXXXXX	2.39	kN/m/nd	6	-
XXXXXX	2.67	kN/m	26	-

Test Status: **Pass**

This report only details quality control checks performed at Xample Materials Testing xxxxxxxxxxxx and does not mean that the above couplers have passed any section of EN 74 or they can be supplied as an EN 74 coupler, or of the relevant testing and analysis has not been fully complied in accordance with BS EN 74-1:2005

End of Report

Issue Date 21 August 2017

Authorised Signatory:  Name: L. Smith Position: Mechanical Testing Supervisor

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MATERIAL CERTIFICATION

You need to check that a material certificate of conformity/test report is issued for all supplied couplers. Opposite is an example of a material certificate of conformity/test report which should consist of:

- Confirmation that couplers meet the requirements of EN 74-1:2005.
- The specification should be clearly identified on the certificate of conformity.

Test Report No:

Purchase Order No: XXXXXXXX
Purchase Order Ref No: XXXXXXXX

Date of issue: XXXXXXXX
Test Date: XXXXXXXX

Scaffolding Coupler Report

The following report details performed on 3 Steel Drop Forged Double Coupler samples tested on 48.3 OD x 4 mm thickness Steel tube (RT sa) & 48.3 OD Steel bar (RB) in accordance with the relevant sections of BS EN74-1:2005 as stated below.

Coupler Identification Details.

Coupler Type	Steel Drop Forged Double Coupler
Marking	EN74-1B M XXXX ⊗ 0617
Class	B
Material Specification	BS EN 74-1:2005
Engineer	

Results:

Design

The design of the coupler complied with the requirements of the relevant items in clause 6.2 of the standard.

Dimensions and material characteristics

The measured dimensions, mass and material characteristics of the coupler were all within the tolerances as specified by the drawing.

Results of all test performances are mentioned below.

All requirements stated are minimum values.

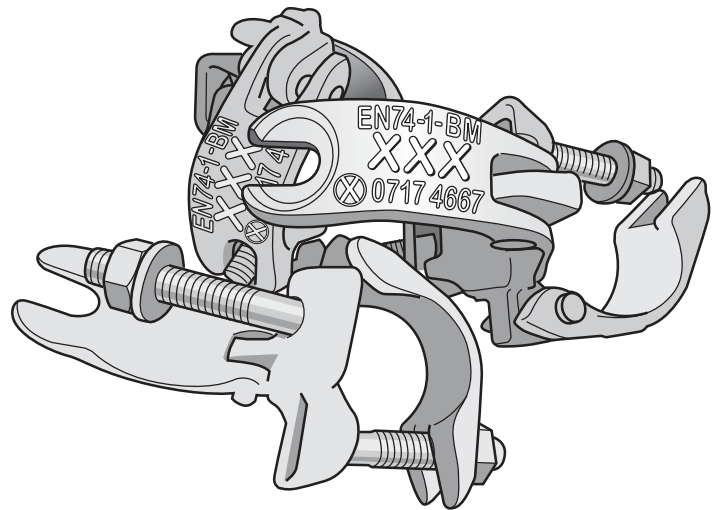
Prepared by:

Checked by:

MARKING REQUIREMENTS

You need to check that each coupler is marked on the flap or body with the following information:

- Reference to EN 74-1.
- Registered trade mark, or the manufacturer's name [or both] shown as XXX opposite.
- Year of manufacture [minimum last two digits].
- Coupler class [A or B].
- Type of ongoing production inspection:
[L or M – L: being internal quality control,
M: being both internal and external quality control].



Whilst every effort has been made to provide reliable and accurate information, we would welcome any corrections to information provided by the Writer which may not be entirely accurate, therefore and for this reason, the NASC or indeed the Writer, cannot accept responsibility for any misinformation posted.